

**Agenda for the Thirtieth Annual ERCOT Region**

**2014 Operations Training Seminar**

**Monday, PM; General Session**

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| **Beginning**  **Time** | **End**  **Time** | **Description** | **Presenter** |
| 13:00 | 13:10 | Seminar Introduction | Alan Allgower |
| 13:10 | 13:50 | CEO Perspective | Trip Doggett and Ken McIntyre |
| 13:50 | 14:00 | Break |  |
| 14:00 | 14:50 | ERCOT Demand Response | Mark Patterson and Steve Krein |
| 14:50 | 15:00 | Break |  |
| 15:00 | 15:50 | Overview of EOC, actions taken for EEA, hurricane and cold weather events – related to the electric sector. | Dede Powell – State of Texas Emergency Operations Center |
| 15:50 | 16:00 | Break |  |
| 16:00 | 16:50 | Natural gas industry presentation – high level overview, actions during a blackout, hurricane preparations and cold weather curtailments – related to the electric sector. | Raborn Reader - Enterprise Gas  James Mann – Texas Pipeline Association |
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**Tuesday, half day; QSE, GO and GOP Session**

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| **Beginning**  **Time** | **End**  **Time** | **Description** | **Presenter** |
| 08:00 | 08:50 | Market Operations Updates | Brad Jones |
| 08:50 | 09:00 | Break |  |
| 09:00 | 09:50 | Lessons learned for QSE’s, GO’s and GOP’s | Texas RE |
| 09:50 | 10:00 | Break |  |
| 10:00 | 10:50 | Basic frequency control and bias definition with operator exercise for governor droop/bias calculations | Sydney Niemeyer/ Sandip Sharma |
| 10:50 | 11:00 | Break |  |
| 11:00 | 11:50 | Frequency control during startup and shut down of units, protocol references, Fast freq. response program | Sandip Sharma/ Sydney Niemeyer |
| 12:00 | 12:55 | Lunch |  |



**Agenda for the Thirtieth Annual ERCOT Region**

**2014 Operations Training Seminar**

**Tuesday, half day; Transmission Operators Session**

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| **Beginning Time** | **End Time** | **Description** | **Presenter** |
| 08:00 | 08:50 | Geomagnetic storm effects on transmission elements | Ken Donohoo |
| 08:50 | 09:00 | Break |  |
| 09:00 | 09:50 | ERCOT IROL/SOL Methodology | Stephen Solis and Matt Stout |
| 09:50 | 10:00 | Break |  |
| 10:00 | 10:50 | Lessons learned for TO’s and TDSP’s | Texas RE |
| 10:50 | 11:00 | Break |  |
| 11:00 | 11:50 | Responding to post contingency overloads. ERCOT RTCA unavailable. | Art Gardiner and Steve Rainwater |
| 12:00 | 12:55 | Lunch |  |

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**Tuesday, PM; General Session**

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| 13:00 | 13:50 | Outage scheduling | Robert Matlock and Shane Thomas |
| 13:50 | 14:00 | Break |  |
| 14:00 | 15:50 | Voltage collapse and sympathy trips | Kelly Blackmer |
| 15:50 | 16:00 | Break |  |
| 16:00 | 16:50 | Group exercise for sabotage/cyber-attacks | Mike Legatt |

**Wednesday, AM; General Session**

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| **Beginning Time** | **End Time** | **Description** | **Presenter** |
| 08:00 | 08:50 | Comanche Peak Nuclear Operations | Luminant/CPSES personnel |
| 08:50 | 09:00 | Break |  |
| 09:00 | 09:50 | Managing voltage with CREZ. SSR & Synchrophasors, lessons learned to date | ERCOT Resource Integration |
| 09:50 | 10:00 | Break |  |
| 10:00 | 10:50 | ERCOT Meteorologist Summer 2014 Assessment | Chris Coleman |
| 11:00 | 11:50 | Break |  |
| 11:00 | 11:50 | Summer 2014 Assessments and Operations Update | ERCOT Operations Planning |
| 11:50 | 12:30 | Critiques and mementos | Alan Allgower |